

State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Dee C. Hansen Stecutive Director I. Nielson, Ph.D. Division Director Both Stecutive Director Both Stecutive Director Both Stecutive Division Director Both Stecutive Division Director Both Stecutive Division Director Both Stecutive Division Division Director Both Stecutive Division Division Division Director Both Stecutive Division Division Division Director Both Stecutive Division Divisi

July 26, 1989

TO:

Board of Oil, Gas and Mining

THRU:

Lowell P. Braxton, Associate Director, Mining 1

FROM:

D. Wayne Hedberg, Senior Reclamation Specialist/Hydrologist

RE:

Request for Board Concurrence, Amount and Form of Reclamation Surety.

Drum Mine, Jumbo Mining Company, M/027/007, Millard County, Utah

The Division seeks the Board's concurrence on the amount and form of reclamation surety to be provided by Jumbo Mining Company (Jumbo) for continued operations at the Drum Mine located in Millard and Juab Counties, Utah. Attached for your reference, is a copy of the executive summary for the original Drum Mine permit application.

On November 17, 1983, the Board approved the amount and form of reclamation surety filed by Western States Minerals Corporation (WSMC). Jumbo has recently purchased the Drum Mine property from WSMC. A revised reclamation surety estimate of \$143,000 (in 1994 dollars) has been calculated by the Division to reclaim portions of this minesite. The revised reclamation surety includes the projected reclamation costs (\$19,000) for an additional 11-acre disturbance associated with a recent permit amendment filed by Jumbo (Drum Mountain Project). A total reclamation surety of \$162,000 will be posted by Jumbo for continued operations at the Drum Mine and to initiate mining on the new Drum Mountain Project.

The proposed form of surety will be United States Treasury Bills which will be held in the name of the State of Utah, Division of Oil, Gas and Mining, and the U.S. Department of the Interior, Bureau of Land Management. Securities transactions will be handled by and processed through the Utah State Treasurer's office.

Also attached are copies of the updated reclamation surety estimate, the Reclamation Contract (Form MR-RC), and the amount and form of reclamation surety. A copy of Jumbo's reclamation surety "Pledge Plan" is attached for your review. A copy of the revised permit transfer form (Form MR-TRL), with conditions, has been provided for your information. The Division is presently working to complete the permit transfer between WSMC and Jumbo.

Thank you for your time and consideration of this formal request for acceptance of the amount and form of reclamation surety.

jb Attachments MN2/36

Prepared By
Utah State Division of Oil, Gas and Mining
April 4, 1989 Revised 7-26-89

April 4, 1969 Neviseu 7-20-69				
Description	Quantity	Total Unit	\$/Unit	Cost (\$)
Drum Mine Pit and Decline Reclamation Remove Trash Construct Berms Along Highwalls Construct Seal 100' Inside Portal Backfill Portal Rip Roadways in Pits Revegetate *	2,000	Lump Sum Linear Feet Portals Cubic Yards Acres Acres	4.70 1,000 0.60 150 175	2,000 5,640 5,000 1,200 1,800 2,100
Subtotal				17,740
Heap Leach Pad Reclamation Decommission Heap Leach Pads Remove Trash Grade to a 3h:1v Slope Haul and Spread Topsoil Revegetate *	29.4 2,000	Acres Acres Acres Cubic Yards Acres	490 100 800 0.63 175	14,300 2,940 23,520 1,260 5,150
Subtotal				47,170
Drum Mine Waste Dumps Reclamation Remove Trash Grade to a 3h:1v Slope Revegetate *	2.5	Acres Acres Acres	100 800 175	250 2,000 440
Subtotal				2,690
Facilities Reclamation Demolish and Dispose of Buildings Remove Fenceline Remove 6" Pipeline Plug Drill Holes Remove Trash Rip Roads Revegetate *	38,000 30	Square Feet Linear Feet Linear Feet Each Acres Acres Acres		14,500 18,790 0 3,000 4,000 3,500 7,000
Subtotal				50,790
Totals Add Contingency (10%)				118,390 11,840
TOTAL RECLAMATION COST (1989 Dollars) TOTAL RECLAMATION COST (1994 Dollars)	83.9	Acres	1,550	130,230
@ 1.93% Annual Inflation	83.9	Acres	1,700	143,000

Prepared By
Utah State Division of Oil, Gas and Mining
April 4, 1989 Revised 7-26-89
(Continued)

Cost Parameters Used

621B Scraper (0&0) Production D-8 Dozer (0&0) Production		\$/hour Cubic Yard: \$/hour LCY/hour	s/hour	
Speed w/ripper	1	mph		
Labor Only Trash Removal Farm Tractor (0&0) Speed Width of Pass		\$/hour \$/acre \$/hour mph feet		
Revegetation Cost per Acre	Quantity	Unit	\$/Unit	Total Cost (\$)
Bare Costs Seed Mix	19	Pounds	7.37	140
Application Costs Seed Mix (broadcast by hand) Scarify (tractor with chain)	0.5 0.3	Hours Hours	24 67	12 23
Subtotal				35
Total Revegetation Cost per Acre				175

Prepared By Utah State Division of Oil, Gas and Mining May 22, 1989

			Jumbo Minin	ing Company	Western States Minerals Corporation	States orporation	Grand Totals	Totals
Description	Unit	\$/Unit	Quantity	Cost (\$)	Quantity	Cost (\$)	Quantity	Cost (\$)
Drum Mine Pit and Decline Reclamation Remove Trash Construct Berms Along Highwalls	Lump Sum Linear Feet	4.70 1.000	1,200 5	2,000 5,640 5,000	000	000	1,200 5	2,000 5,640 5,000
Backfill Portal Rip Roadways in Pits Revegetate *	Cubic Yards Acres Acres	0.60 150 175	2,000 12.0 12.0	1,200 1,800 2,100	000		2,000 12 12	1,800 2,100
Subtotal				17,740		c		1/,/10
Heap Leach Pad Reclamation Decommission Heap Leach Pads move Trashade to a 3h:1v Slope Haul and Spread Topsoil	Acres Acres Acres Cubic Yards	490 100 800 0.63	29.4 29.4 29.4 2,000	14,300 2,940 23,520 1,260	16.3 16.3 (a)	7,990 1,630 13,040 (a)	45.7 45.7 45.7 (a)	22,290 4,570 36,560 1,260
Haul and Spread Topsoil Revegetate * Subtotal	Cubic Yards Acres	0.63 175	2,000 29.4	1,260 5,150 47,170	(a) 16.3	2,850 2,850 25,510	(a) 45.7	8,000 72,680
Drum Mine Waste Dumps Reclamation Remove Trash Grade to a 3h:1v Slope Revegetate *	Acres Acres Acres	100 800 175	N N N 51 51 51	250 2,000 440	25.5 25.5	2,550 20,400 4,460	28.0 28.0 28.0	2,800 22,400 4,900
Subtotal				2,690	**	27,410		30,100

Prepared By Utah State Division of Oil, Gas and Mining May 22, 1989			limbo Minin	Company	Western States Minerals Corporation	States	rand	Totals
	Unit	\$/Unit	Jumbo Mining	Cost (\$)	Quantity	Cost (\$)	Quantity	Cost (\$)
escription			33					
Facilities Reclamation Demolish and Dispose of Buildings Remove Fenceline Remove 6" Pipeline Plug Drill Holes Remove Trash	Square Feet Linear Feet Linear Feet Each Acres	2.90 1.25 (b) 100 100 150	5,000 15,030 38,000 40.0 23.3 40.0	14,500 18,790 0 3,000 4,000 3,500 7,000	000000	000000	5,000 15,030 38,000 30 40.0 23.3 40.0	14,500 18,790 0 3,000 4,000 3,500 7,000
Rip Roads Revegetate *	Acres			50,790		0		00,790
Subtotal				======= 118,390 11,840		52,920 5,290		171,310 17,130
Totals Add Contingency (10%)				130,230		58,210		188,440
TOTAL RECLAMATION COST (1989 Dollars)		ı ınflat	ion	143,000	0	64,000		707,000
TOTAL RECLAMATION COST (1994 Dollars) @ 1.93% Millian	d 1.93% Millian	cv has r	ot been dete	ermined.				
Notes: (a) The solution for the topsoli delicities A bid was provided. (b) The salvage value exceeds removal cost. A bid was provided.	s removal cos	t. A bi	d was provid	led.				

Prepared By Utah State Division of Oil, Gas and Mining May 22, 1989 (Continued)

Cost Parameters Used

621B Scraper (0&0) Production D-8 Dozer (0&0) Production Speed w/ripper	150 240 160 300	Cubic Ya		
Labor Only Trash Removal Farm Tractor (0&0) Speed Width of Pass	24 100 67 4 6	\$/hour \$/acre \$/hour mph feet		
Revegetation Cost per Acre	Quantity	Unit	\$/Unit	Total Cost (\$)
Bare Costs Seed Mix	19	Pounds	7.37	140
Application Costs Seed Mix (broadcast by hand) Scarify (tractor with chain)	0.5 0.3	Hours Hours	24 67	12 23
Subtotal				35
Total Revegetation Cost per Acre				175

Prepared By
Utah State Division of Oil, Gas and Mining
November 25, 1988 Revised 6-13-89

Description	Quantity	Unit	\$/Unit	Total Cost (\$)
Alto Pit Reclamation Remove Trash Construct Berm on Highwall Plug Drill Holes Rip Roads Grade for Uniformity Revegetate *	450 20 900	Each Linear Feet Acres	100 4.70 100 0.60 430 175	1,250 510
Subtotal				6,800
Keystone Test Pit Reclamation Remove Trash Plug Drill Holes Rip Roads Grade for Uniformity Revegetate *	0.5		100 100 0.60 430 175	90 700 240 220 90
Subtotal				1,340
Monarch Test Pit Reclamation Remove Trash Plug Drill Holes Rip Roads Grade for Uniformity Revegetate *	3,500	Each Linear Feet Acres	100 100 0.60 430 175	370 500 2,100 1,290 530
Subtotal				4,790
Ibex Decline Reclamation Remove Trash Plug Drill Holes Construct Seal 100' Inside Portal Backfill Portal Revegetate *	0.5 5 400 0.5	Each Lump Sum Cubic Yards	100 100 0.60 175	50 500 1,000 240 90
Subtotal				1,880
Totals Add Contingency (10%)				14,810 1,480
TOTAL RECLAMATION COST (1988 Dollars) TOTAL RECLAMATION COST (1989 Dollars) TOTAL RECLAMATION COST (1994 Dollars)	@ 2.3% Anr @ 1.93% Ar	nual Inflation nnual Inflatio	n on	16,290 17,000 19,000

APPENDIX - A

ATTACHMENT 1

Transfer of Notice of Intention No. M/027/007 Certification of Approval Conditions of Transfer

July 25, 1989

Conditions of Transfer (continued)

- (d) The Division will continue to hold the Transferor responsible for the reclamation of approximately 42 acres of existing Drum Mine surface disturbance, as delineated in Appendix A.
- (e) The Division will hold the Transferee responsible for the reclamation of approximately 84 acres of existing Drum Mine surface disturbance, as delineated in Appendix A.
- (f) The Transferor will retain responsibility for resolving the topsoil deficiency issue.
- (g) The Transferee's 84 acre Drum Mine reclamation responsibility includes posting a reclamation surety of \$143,000, based on reclamation calculations from Appendix A information.
- (h) An additional 11 acres of surface disturbance will be approved as an amendment to the Drum Mine permit. The Transferee will provide an additional \$19,000 reclamation surety amount for the proposed amendment (Drum Mountain Project).
- (i) The Division will retain possession of the Transferor's \$264,080 reclamation surety bond, until the topsoil deficiency issue and the question of ultimate Drum Mine reclamation responsibility between the Transferor and Transferee is resolved.
- (j) Resolution of the reclamation responsibility question may ultimately require an additional adjustment to the Transferee's reclamation surety amount.

jb MN3/52 FORM MR-RC
Revised 2/17/89
RECLAMATION CONTRACT

File	Numbe	er	M/027/007
Effec	ctive	Date	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

RECLAMATION CONTRACT

	00	000
For the purp defined as follo	ose of this RECLAMA	ATION CONTRACT the terms below are
"NOTICE OF INTEN	TION" (NOI): (File	No.) M/027/007
	(Mineral Mir	ned) <u>Gold</u>
. "MINE LOCATION":		
(N	ame of Mine)	Drum Mine
(D	escription)	Drum Mountain Project
	_	Millard & Juab Counties, Utah
	_	
''DISTURBED AREA''		Approx. 126 Acres Drum Mine *(1)
		Exhibit A
(11)	egar bescription/ _	EXHIDIC A
"OPERATOR":		
(C	ompany or Name) _	Jumbo Mining Company
(A	ddress)	6305 Fern Spring Cove
	_	Austin, Texas
	_	78730
(P	hone No.)	(512) 346-4537
4/1)		

Page 1 of ____

^{*(1)} plus approximately 11 acres for Drum Mountain Project permit amendment

"OPERATOR'S REGISTERED AGENT":	Prentice Hall
(Name)	Corporate Services
(Address)	P O Box 102670
	Atlanta, Georgia 30368-0670
(Phone No.)	800-221-0770
"OPERATOR'S OFFICER(S)":	E. B. King
	Janet King
"SURETY":	
(Form of Surety - Exhibit B)	U. S. Treasury Bills
"SURETY COMPANY":	
(Name, Policy or Acct. No.)	Irving Trust (New York) - to hold securities
	as custodial agent for Utah State Treasurer
"SURETY AMOUNT":	
(Escalated Dollars)	\$162,000
"ESCALATION YEAR"	1994
	•
"STATE":	State of Utah
"DIVISION":	Division of Oil, Gas and Mining
"BOARD":	Board of Oil, Gas and Mining
	·
EXHIBITS:	Revision Dates:
A "DISTURBED AREA":	
ם ווכזזטבידעווי	

This Reclamation Contract (hereinafter referred to as "Contract") is entered into between Operator and the Board.

WHEREAS, Operator desires to conduct mining operations under Notice of Intention (NOI) File No. _____M/027/007 which has been approved by the Division under the Utah Mined Land Reclamation Act, Sections 40-8-1 et seq., Utah Code Annotated, (1953, as amended) (hereinafter referred to as "Act") and implementing rules; and

WHEREAS, Operator is obligated to reclaim the Disturbed Area in accordance with Operator's approved Reclamation Plan and Operator is obligated to provide surety in form and amount approved by the Board, to assure reclamation of the Disturbed Area.

NOW, THEREFORE, the Board and the Operator agree as follows:

- 1. Operator agrees to conduct reclamation of the Disturbed Area in accordance with the Act and implementing regulations, the Notice of Intention, and the Reclamation Plan.
- 2. Concurrent with the execution hereof, Operator has provided surety to assure that reclamation is conducted, in form and amount acceptable to the Board, which surety is in the form of the surety attached hereto as Exhibit B and made a part hereof. The surety shall remain in full force and effect according to its terms unless modified by the Board in writing.
- 3. Operator agrees to pay public liability and property damage claims resulting from mining as determined by the Board or the Division, to the extent provided in the Act.

- 4. Operator agrees to perform all duties and fulfill all reclamation requirements applicable to the mine as required by the Act and implementing rules, the Notice of Intention, and the Reclamation Plan.
- 5. The Operators liability under this Contract shall continue in full force and effect until the Division certifies that the Operator has reclaimed the Disturbed Area in accordance with the Act and implementing rules, the Notice of Intention and the Reclamation Plan.
- 6. Operator agrees to indemnify and hold harmless the State,
 Board and Division from any claim, demand, liability, cost
 charge, suit, or obligation of whatsoever nature arising
 from the failure of Operator or Operator's agents, and
 employees, or contractor to comply with this Contract.
 - 7. Operator may, at any time, submit a request to the Board to substitute surety. The Board, in its sole judgment and discretion, may approve such substitution if the substitute surety meets the requirements of the Act and the implementing rules.
 - 8. This Contract shall be governed and construed in accordance with the laws of the State.
 - 9. If Operator shall default in the performance of the obligations heretofore, Operator agrees to pay all costs and expenses, including attorneys fees and costs generated by the Division and/or the Board in the enforcement of this Contract.

- 10. Any breach of the provisions of this Contract by Operator may, at the discretion of the Division, result in an order to cease mining operations. After opportunity for notice and hearing, the Division, or Board, as appropriate, may revoke the Notice of Intention, order reclamation, or order forfeiture of the Surety, or take such other action as is authorized by law.
- 11. In the event of forfeiture of the Surety, Operator shall be liable for any additional costs in excess of the surety amount which are required to comply with this contract. Any excess monies resulting from forfeiture of the Surety, upon completion of reclamation and compliance with this Contract, shall be returned to the rightful claimant.
- 12. This Contract represents the entire agreement of the parties involved, and any modification must be approved in writing by the parties involved.
- 13. Each signatory below represents that he/she is authorized to execute this Contract on behalf of the named party.

so agreed this 4 day of Angust, 1989.

APPROVED AS TO FORM AND AMOUNT OF SURETY:

Chairman, Board of Oil, Gas and Mining

Page 5 of ____

DIVISION OF OIL, GAS AND MINING:
By Director Date Date
STATE OF
COUNTY OF Salt Fake) ss:
On the Ath day of Migust, 1989, personally
appeared before me, who being by me duly sworn did say that he/she.
the said Milanne K // illson is the Director
of the Division of Oil, Gas and Mining, Department of Natural
Resources, State of Utah, and he/she duly acknowledged to me that
he/she executed the foregoing document by authority of law on behalf
of the State of Utah.
JOANN BARCIA
3 Tried Conter, #350 S.L.C., UT 64180-1203
My Commission Expires Notate Public May 26, 1983
Residing at: She, UT
5/2/192
My Commission Expires:
my committanton Expites.

OPERATOR:	·
By E. B. King A President	July 27, 1989
Corporate Officer - Position	Date
STATE OF	SS.
appeared before me E. B. King me duly sworn did say that he/she, is the President of and instrument was signed on behalf of shylaws or a resolution of its board	the said <u>E. B. King</u> duly acknowledged that said said company by authority of its of directors and said
E. B. King duly company executed the same.	y acknowledged to me that said
	NOTARY PUBLIC JOANN GARCIA Striad Contex, \$350 St.C., UT Migh-1203 My Confinisher Expires esiding at: STATE OF UTAN
5/26/93	
My Commission Expires:	

Page 7 of ____

INSTITUTION:

Surety (Company) Date Company Officer - Position

STATE OF _____ COUNTY OF ____

On the _____, 19____, personally duly sworn did say that he/she, the said _____ appeared before me _ and duly acknowledged that said instrument was signed on behalf of said company by authority of its bylaws or a resolution of its board _____ duly acknowledged to of directors and said ____ me that said company executed the same.

Notary Public Residing at:	

My Commission Expires:

NOTE: An Affidavit of Qualification must be completed and attached to this form for each authorized agent or officer. Where one signs by virtue of Power of Attorney for a company, such Power of Attorney must be filed with this Contract.

Page 8 of ____

ATTACHMENT EXHIBIT - A

RECLAMATION CONTRACT, FORM MR-RC DRUM MINE & DRUM MOUNTAIN PROJECT PERMIT AMENDMENT JUMBO MINING COMPANY JULY 26, 1989

Legal Descriptions of Disturbed Areas:

DRUM MINE - portions of Section 7, Township 15 South, Range 10 West, Millard County, Utah, SLBM.

DRUM MOUNTAIN PROJECT AMENDMENT - portions of Sections: 35 and 36, Township 14 South, Range 11 West, Sections 6, 7 & 8, Township 15 South, Range 10 West, and Section 1, Township 15 South, Range 11 West, Juab and Millard Counties, Utah, SLBM.

dwh MN2/39

PLEDGE PLAN

for

Surety Policy - Minerals Program

STATE OF UTAH
Department of Natural Resources
Division of Oil, Gas and Mining

and

U. S. Department of Interior Bureau of Land Management

Pledgor:

Jumbo Mining Company

Depository:

State of Utah, Department of the Treasury

Security

Selection:

Texas Commerce Bank- Austin; Mr. Randy Robinson; telephone 512-479-2864.

Securities:

U. S. Treasury bills, \$176,000

Operational

Procedure:

- 1. Texas Commerce Bank delivers securities as directed by the State of Utah, registered in the names of the State of Utah, Division of Oil, Gas and Mining and the Bureau of Land Management, to the State Treasurer.
- 2. The Treasurer will issue a certificate to the Division of Oil, Gas and Mining stating that they have received them as pledge from Jumbo Mining Company
- Treasury bills will be in the possession of the State Treasurer.
- 4. Prior to maturity Texas Commerce Bank will send a request to the Division of Oil, Gas and Mining to pledge a new security and release existing security in a simultaneous transaction.
- 5. Oil, gas and mining notifies the State Treasurer's office of their approval.
- 6. State Treasurer notifies Texas Commerce Bank of the approval.
- 7. Texas Commerce Bank buys new security and delivers to the State Treasurer for the benefit of Oil, Gas and Mining vs. the money they would receive from maturing security. The State Treasurer accepts Texas Commerce Bank's delivery notice and monies are transferred through the wire transfer system. The Treasurer will wire excess funds to Jumbo Mining Company.